

AMENDMENTS

In the Claims:

Please amend claims 1, 28, and 31 as follows:

C1
SUB 17

1. (Amended three times) A biological sample processing system, comprising:
a sample processing device; and
a biological sample carrier having a surface adapted to have a biological sample attached to the surface;
wherein the carrier is adapted to mate with the device to form a reaction chamber defined in part by the carrier such that at least a portion of the surface adapted to have a biological sample attached is included in the chamber.

SUB 17
C2

28. (Amended twice) A biological sample processing system, comprising:
a sample processing device including:
a first chamber having a first port and a second port; and
a second chamber fluidly coupled to the first chamber via the second port; and
a sample carrier having a surface adapted to have a biological sample attached to the surface; the sample carrier being adapted to mate with the device to form the first chamber defined in part by the sample carrier such that at least a portion of the surface adapted to have a biological sample attached is included in the first chamber.

C3
SUB 17

31. (Amended once) A biological sample processing system, comprising:
a sample processing device including:
a first chamber having a first port, a second port and a third port;
a first conduit;
a second chamber fluidly coupled to the first chamber via the second port and the first conduit; and
a second conduit fluidly coupled to the first chamber via the third port; and
a sample carrier having a surface adapted to have a biological sample attached to the surface; the sample carrier being adapted to mate with the device to form the first

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chamber defined in part by the sample carrier such that at least a portion of the surface adapted to have a biological sample attached is included in the first chamber.